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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/761,748	01/18/2001	Michael Hu		6162

7590 03/20/2002

Peter Gibson  
6316 Greenspring Avenue, #307  
Baltimore, MD 21209

EXAMINER

ELISCA, PIERRE E

ART UNIT	PAPER NUMBER
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2161

DATE MAILED: 03/20/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.  
**09/761,748**

Applicant(s)  
**Michael, Hu**

Examiner  
**Pierre E. Elisca**

Art Unit  
**2161**



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE THREE MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 01/18/2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-62 is/are pending in the application.
- 4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-62 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☐ All b) ☐ Some\* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892) 18) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 19) ☐ Notice of Informal Patent Application (PTO-152)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_ 20) ☐ Other: \_\_\_\_\_

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**Examiner Pierre Eddy Elisca**

**United States Department of Commerce**

**Patent and Trademark Office**

**Washington, D.C. 20231**

#### **DETAILED ACTION**

1. This Office action is in response to application No. 09/761,748, filed on 01/18/2001.
2. Claims 1-62 are presented for examination.

#### ***Claim Objections***

3. Claims 11-22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

**5. Claims 1-10 and 23-62 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Drake (U.S. Pat. No. 6,006,328) in view of Holloway et al. (U.S. pat. No. 5,912,974).**

As per claim 1, 4, 5, 8-10 and 23-62, Drake substantially discloses a software-based computer security enhancing process and graphical software-authenticity. The process provides protection against certain attacks on executable software by persons or other software used on the computer. Software using this process is protected against eavesdropping. Drake also discloses that application programs requiring activation by a host program executed on a different computer, a secure means of activation can be incorporated into the client application. The host and client intercommunication and verification utilizing cryptographic systems such as public-key encryption see., abstract, col 13, lines 34-43, col 11, lines 47-67, col 12, lines 4-22 (which is seen to read as Applicant's claimed invention).

It is noted that **Drake** does not explicitly disclose printing upon each of said plurality of objects an authentication code.

**However, Holloway** discloses a printed document contents that are scanned and digitized, using a conventional scanner. An authentication code comprising the edited digitized segments and each segment and the digital signature is printed on the document. To verify the authenticity, the printed document is scanned and digitized again and the digital signature is checked using the associated

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public key (see., abstract, col 4, lines 11-25, col 5, lines 15-55). Accordingly, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the security system of **Drake** by including the step of printing an authentication code on each document as taught by **Holloway** because such modification it would provide the security system of **Drake** with the enhanced necessary to validating the authenticity of the signed hard copy, checking the digital signature or authentication code and the hard copy document contents and indicating whether the signed copy is valid or invalid.

**As per claims 2 and 3, Drake** discloses the claimed method, wherein said registry is accessible with regard to verification of a given origin code component and authentication code component pair to the public via the world wide web (see., col 2, lines 3-18)

**As per claims 6 and 7 Drake** discloses the claimed method, wherein steps (a) and (b) are performed utilizing alphanumeric characters (see., col 11, lines 56-67, col 12, lines 4-22).

**CONCLUSION**

6. The prior art made of record and relied upon is considered to applicant's disclosure.

1. U.S. Pat. No. 3,829,133

Smagala-Romano

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This patent teaches a form of check that incorporating a masked individual code for each check predictable before unmasking only by the authorized drawer of the check who has advance knowledge of the key by which the individual code for the check is determined.

2. U.S. Pat. No. 5,267,314              Stambler

This patent teaches a transaction system wherein, when a transaction, document or thing needs to be authenticated.

7.        Any inquiry concerning this communication from the examiner should be directed to Pierre Eddy Elisca at (703) 305-3987. The examiner can normally be reached on Tuesday to Friday from 6:30AM to 5:00PM.

        If any attempt to reach the examiner by telephone is unsuccessful, the examiner's supervisor, James Trammell can be reached on (703) 305-9769.

**Any response to this action should be mailed to:**

        Commissioner of Patents of Trademarks

        Washington, D.C. 20231

**or faxed to:**

(703) 308-9051, (for formal communications intended for entry)

**OR**

        (703) 305-9724, (for informal or draft communications, please label "PROPOSED" or "DRAFT")

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Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA.,  
Sixth floor (receptionist).

The Official Fax Numbers For TC-2100 Are:

After-final (703) 746-7238

Official (703) 746-7239

Non-Official/Draft (703) 746-7240



Pierre Eddy Elisca

Patent Examiner

March 18, 2002